



Material Safety Data Sheet

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27-SEP-2000

Section 1 - Product and Company Identification

PRODUCT NAME & NUMBERS

MINWAX® Indoor/Outdoor HELMSMAN® Spar Urethane (Aerosol)
33250 Clear High Gloss
33255 Clear Satin
33260 Clear Semi-Gloss

HMIS CODES

Health 2
Flammability 4
Reactivity 0

PRODUCT CLASS

Aerosol Coating

MANUFACTURER'S NAME

MINWAX Company
10 Mountainview Road
Upper Saddle River, NJ 07458

EMERGENCY TELEPHONE NO.

(216) 566-2917

INFORMATION TELEPHONE NO.

(800) 523-9299

Section 2 - Composition/Information on Ingredients

% WT.	CAS No.	Ingredient Name
14	74-98-6	Propane ACGIH TLV TWA 2500 PPM OSHA PEL TWA 1000 PPM
13	106-97-8	Butane ACGIH TLV TWA 800 PPM OSHA PEL TWA 800 PPM
7	64742-89-8	Lt. Aliphatic Hydrocarbon Solvent. ACGIH TLV TWA 100 PPM OSHA PEL TWA 100 PPM
3-5	64742-88-7	Med. Aliphatic Hydrocarbon Solvent ACGIH TLV Not Established OSHA PEL Not Established
7-9	64742-88-7	Mineral Spirits. ACGIH TLV TWA 100 PPM OSHA PEL TWA 100 PPM
39	67-64-1	Acetone. ACGIH TLV TWA 500 PPM ACGIH TLV STEL 750 PPM OSHA PEL TWA 1000 PPM

Section 3 - Hazards Identification

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

- Continued -

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

Section 4 – First Aid Measures

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

Section 5 – Fire Fighting Measures

FLASH POINT	LEL	UEL
Propellant < 0 °F	1.0	12.8

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 – Accidental Release Measures**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate and remove with inert absorbent.

Section 7 – Handling and Storage**DOL STORAGE CATEGORY**

1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120 °F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

Section 8 – Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), 3 mg./m³ (respirable fraction), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 – Physical and Chemical Properties

PRODUCT WEIGHT	5.9 - 6.0 lb./gal.	EVAPORATION RATE	Slower than Ether
SPECIFIC GRAVITY	0.72	VAPOR DENSITY	Heavier than Air
BOILING POINT	< 0 - 425 °F	MELTING POINT	N.A.
VOLATILE VOLUME	91 %	SOLUBILITY IN WATER	N.A.
VOC (% by weight)	47.5 - 48.0 (less exempt solvents)		

Section 10 – Stability and Reactivity

STABILITY - Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section 11 – Toxicological Information

CHRONIC HEALTH HAZARDS

No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA

CAS No.	Ingredient Name				
74-98-6	Propane				
	LC50	RAT	4HR	Not Available	
	LD50	RAT		Not Available	
106-97-8	Butane				
	LC50	RAT	4HR	>50000 PPM	
	LD50	RAT		Not Available	
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent.				
	LC50	RAT	4HR	Not Available	
	LD50	RAT		Not Available	
64742-88-7	Med. Aliphatic Hydrocarbon Solvent				
	LC50	RAT	4HR	Not Available	
	LD50	RAT		>6300 MG/KG	
64742-88-7	Mineral Spirits.				
	LC50	RAT	4HR	>700	PPM
	LD50	RAT		4700	MG/KG
67-64-1	Acetone.				
	LC50	RAT	4HR	16000	PPM
	LD50	RAT		5800	MG/KG

Section 12 – Ecological Information

ECOTOXICOLOGICAL INFORMATION

No Data Available.

Section 13 – Disposal Considerations

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 14 – Transport Information

Ground (United State) CONSUMER COMMODITY, ORM-D

Air (United States) CONSUMER COMMODITY, 9, ID8000, MISCELLANEOUS LABEL

Air (International) AEROSOLS, FLAMMABLE, N.O.S., 2.1, UN1950, FLAMMABLE GAS LABEL

Section 15 – Regulatory Information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

No ingredients in these products are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 – Other Information

*CANADIAN DISTRIBUTOR: Consumer Brands Canada Inc.
200 Confederation Parkway
Vaughn, ON L4K 4T8*

NOTE: These products have been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.